

# ELMO CCD COLOR VIDEO CAMERA

TSN420D

Digital  
Signal  
Processing



## Value-rich, high-resolution 1/3" color CCD camera

- Incorporates the most advanced Digital Signal Processing circuitry
- More than 480 TV(H) lines resolution
- Min. 2.2lx sensitivity
- Auto/Manual white balance
- Auto/Manual electronic shutter
- Comprehensive backlight compensation
- Built-in isolation transformer



This product is manufactured at  
the ISO9002 certified factory of  
ELMO CO., LTD.  
Q 00045

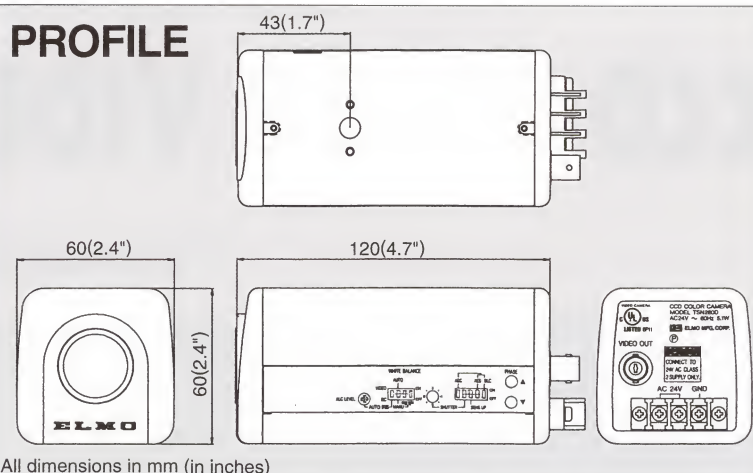
**ELMO**

Visualizing technology since 1921



(with an optional lens)

## PROFILE



## SPECIFICATIONS

MODEL	TSN420D
Power source	AC 24V $\pm$ 10% 60Hz $\pm$ 0.5Hz
Power consumption	Approx. 5.1W
Pick-up device	1/3" Color interline-transfer CCD
Effective picture element	768(H) $\times$ 494(V)
Scanning area	4.88mm(H) $\times$ 3.66mm(V)
Scanning system	2:1 interlaced
Scanning frequency	15.75kHz(H), 60Hz (V)
Sync. system	Line-lock
Resolution	470TV lines (Horizontal) 350 TV lines (Vertical)
S/N ratio	More than 48dB
Minimum illumination	2.2 lx (F1.2 under incandescent lamp, w/Sens-up on)
AGC	Built-in (Factory-set at ON)
Sens-up	Provided (Factory-set at OFF)
White balance	Auto/Manual (Factory-set at AUTO)
Backlight compensation	Provided (Factory-set at OFF)
AES (Automatic Electronic Shutter)	Provided (Factory-set at OFF)
Electronic shutter	8 steps (1/60 $\sim$ 1/10,000 sec)
Output signal	BNC VBS 1V (p-p) 75 $\Omega$
Auto-iris terminal	4P square connector (DC/VIDEO)
Power terminal	3P screw terminal
Lens mount	CS
Ambient temperature	-10 $^{\circ}$ C $\sim$ 50 $^{\circ}$ C (14 $^{\circ}$ F $\sim$ 122 $^{\circ}$ F)
Ambient humidity	30% $\sim$ 90%
Dimensions	60(W) $\times$ 60(H) $\times$ 120(D)mm (2.4 $\times$ 2.4 $\times$ 4.7 in)
Weight	530g (1.2 lbs)

Design and specifications are subject to change without prior notice.  
Dimensions and weight are approximate.

**ELMO<sup>®</sup> ELMO CO., LTD.**

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